

## IN THE CLAIMS:

Please cancel the amendments made to the claims in the applicant's communication of 06 July 2006 and amend the claims as follows:

*Claims 1-19 (canceled)*  
Claims 20-30 (canceled)

Claim 31 (currently amended): A calcination plant for particulate material comprising:

means defining a calcination zone, said defining means including a peripheral wall which peripherally surrounds said calcination zone; [and]

means for generating a calcination temperature of at least 1700°F in said calcination zone; and

means for transporting particulate material through at least part of said calcination zone along a substantially cyclonic flow path, said peripheral wall being substantially free [of ceramic] from refractory insulation along said part of said calcination zone.

Claim 32 (previously presented): The plant of claim 31, further comprising means for adjusting the temperature in said calcination zone by varying the rate of admission of particulate material into said calcination zone.

Claim 33 (currently amended): The plant of claim 31, wherein said peripheral wall is substantially free [of ceramic] from refractory insulation along substantially all of said calcination zone.